

IN THE CLAIMS:

Cancel claims 1-7 without prejudice and replace them with new claims 8-25 as follows:

Claims 1-7 CANCELLED.

8. (NEW) A grinding roller for the pressure comminution of granular material, in particular for rolling presses for comminuting a bed of material, having a roller shell with wear-resistant surface reinforcement, suitable in particular for autogenous wear protection, and with end-face reinforcement, wherein

the end face reinforcement comprises a multiplicity of prefabricated hard bodies arranged in series to form a circle and forming a peripheral end edge of the roller,

at the end edge of the roller, the hard bodies are arranged in a peripheral annular shoulder of the roller shell, are supported both axially and radially on the annular shoulder of the roller shell and are detachably connected to the roller shell, and

the hard bodies protrude both axially from the end face and radially from the surface of the roller shell.

9. (NEW) The grinding roller as claimed in claim 8, wherein the hard bodies are clamped in the peripheral annular shoulder of the roller shell by means of screwing and clamping elements distributed over a periphery of the roller end face.

10. (NEW) The grinding roller as claimed in claim 8, wherein the annular shoulder has a circular circumference and the radially inner surfaces of the hard bodies, by which they are radially supported on the annular shoulder of the roller shell, are arcuately curved in a convex manner.

11. (NEW) The grinding roller as claimed in claim 8, wherein the annular shoulder has a polygonal circumference and the radially inner surfaces of the hard bodies are planar.

12. (NEW) The grinding roller as claimed in claim 8, wherein the hard bodies have, seen in plan view, the shape of a hammerhead with a shaft, the hammerhead respectively being arranged in the annular groove of the roller shell and the shaft respectively being inserted in formed-in, radial/axial grooves distributed around a circumference of the roller end face.

13. (NEW) The grinding roller as claimed in claim 12, the shaft of the hammerhead-shaped hard bodies has at the end a cylindrical thickening, which is respectively made to fit in the radial bores of the outer series of bores adjacent the edge of the roller shell of the roller end face, so that the hard bodies are axially secured in the roller shell by this thickening.

14. (NEW) The grinding roller as claimed in claim 13, wherein, for the radial fixing of the hammerhead-shaped hard bodies, they are one of adhesively bonded AND soldered in their radial grooves.

15. (NEW) The grinding roller as claimed in claim 13, the hammerhead-shaped hard bodies are radially supported only over the underside of the shaft at the base of the groove and not on the annular shoulder of the roller shell.

16. (NEW) The grinding roller as claimed in claim 12, the hammerhead-shaped hard bodies are radially supported only over the underside of the shaft at the base of the groove and not on the annular shoulder of the roller shell.

17. (NEW) A grinding roller for the pressure comminution of granular material having a roller shell with wear-resistant surface reinforcement at a cylindrical surface and with reinforcement at each end face, comprising:
a plurality of prefabricated hard bodies arranged in series to form a circle and forming a peripheral end edge of the roller, at both ends of the roller,
a peripheral annular shoulder formed at each end of the roller shell to support the hard bodies axially and radially,
the hard bodies being detachably connected to the roller shell, and

the hard bodies protruding both axially from the end faces and radially from the surface of the roller shell.

18. (NEW) The grinding roller of claim 17, wherein the hard bodies are clamped on the peripheral annular shoulder of the roller shell by means of screwing and clamping elements distributed over a periphery of each of the roller shell end faces.

19. (NEW) The grinding roller of claim 17, wherein each peripheral annular shoulder is circular and the radially inner surfaces of the hard bodies, by which they are radially supported on the annular shoulder of the roller shell, are arcuately curved in a convex manner.

20. (NEW) The grinding roller of claim 17, wherein each peripheral annular shoulder is polygonal and the radially inner surfaces of the hard bodies, by which they are radially supported on the annular shoulder of the roller shell, are planar.

21. (NEW) The grinding roller of claim 17, wherein the hard bodies have the shape of a hammerhead with a shaft, the hammerheads being arranged in an annular groove formed by the annular shoulder in the roller shell, and the roller shell has grooves that extend radially and axially, distributed around a circumference of the roller end faces, the shafts being inserted in the radial/axial grooves.

22. (NEW) The grinding roller of claim 21, wherein the radial/axial grooves are formed by radial bores in the cylindrical surface having a selected diameter and axial grooves extending from the end faces to the radial bores, the axial grooves having a width less than the selected diameter of the radial bores, and the shafts of the hammerhead-shaped hard bodies have at an end a cylindrical thickening sized to closely fit in the radial bores, and having a diameter greater than the width of the axial grooves, so that the hard bodies are axially secured in the roller shell by this thickening.

23. (NEW) The grinding roller of claim 22, wherein, for the radial fixing of the hammerhead-shaped hard bodies, they are one of adhesively bonded and soldered in the radial/axial grooves.

24. (NEW) The grinding roller of claim 23, wherein the hammerhead-shaped hard bodies are radially supported only over an underside of the shaft at a base of the groove and not on the annular shoulder of the roller shell.

25. (NEW) The grinding roller of claim 21, wherein the hammerhead-shaped hard bodies are radially supported only over an underside of the shaft at a base of the groove and not on the annular shoulder of the roller shell.